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APPLICANT : MITSUI KINZOKU SHIGEN KAIHATSU KK;

INVENTOR : IN KENKA;

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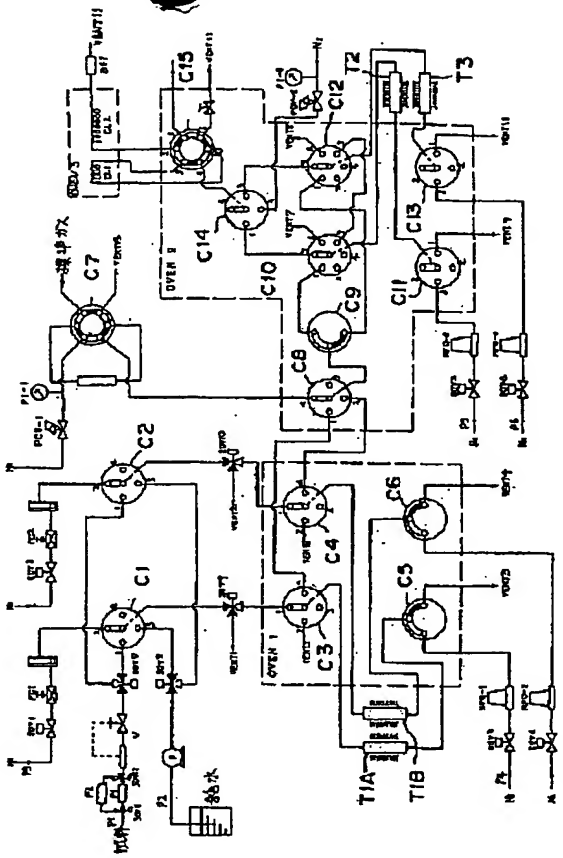
TITLE : METHOD AND SYSTEM FOR CONTINUOUSLY SAMPLING AND ANALYZING ORGANIC COMPONENT DISSOLVED INTO WATER



ABSTRACT : PURPOSE: To obtain high accurate analysis results by transferring components adsorbed by a primary adsorbing pipe to a secondary adsorbing pipe through thermal desorption and then transferring components adsorbed by the secondary adsorbing pipe to a tertiary absorbing pipe through thermal desorption thereby separating dissolved organic components through adsorption.

CONSTITUTION: A primary adsorption pipe T1A is thermally cleaned while feeding N_2 thereto through a pipe P4. Samples are sucked continuously through the pipe P1 into the pipe T1A. Objects to be analyzed in the sample are adsorbed by the pipe T1A through an adsorbent. Subsequently, N_2 is fed through a pipe P3 into the pipe T1A thus draining water being left therein. At the same time, a secondary adsorption pipe T2 is thermally cleaned while feeding N2 thereto through a pipe P5. N_2 is further fed to the pipe T1A until the remaining water is removed and the pipe T1A is heated to desorb the adsorbed organic components which is then adsorbed to the secondary adsorption pipe T2. At the same time, a tertiary adsorption pipe T3 is thermally cleaned through a pipe P6. Adsorbed organic components are desorbed from the T2 and introduced detected by a detector DET.